

Abstract Of The Disclosure

A method and a device for regulating a polyphase machine, in particular a synchronous machine, in which a direct-axis voltage and a quadrature-axis voltage are determined as manipulated variables of the regulating system, and also
5 including a pulse-width-modulation inverter which generates the phase voltages of the individual phases and is triggered to operate either in PWM mode or in block mode as a function of the operating mode of the electric machine. To simplify the hardware component of the regulating device, PWM control signals and block control signals are generated via software and sent to a PWM/block signal device as
10 a function of the operating mode, the device being capable of generating either PWM signals or block signals as a triggering signal for the pulse-width-modulation inverter as a function of the control signal supplied.